

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	3071	"frame position" with (adjust\$4 tim\$4 retim\$4 offset align\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 19:09
L2	44	L1 and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 19:09
L3	31	L2 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 19:09
L4	9	L2 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 19:09
L5	35	L3 L4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 19:09
S1	137	(hitless "hit less" hit-less) and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 23:09
S2	221	traffic with groom\$4	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 10:13
S3	9	S1 and S2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/04/28 15:10

## EAST Search History

S4	50	("5491696" "5517493" "6122249" "6628605" "6256291" "6836486" "5539448" "5712847" "5987027" "6175552" "6236660" "6567194" "6597214" "6724953" "6741615" "6775477" "6804248" "6834049" "5329524" "5287513" "5790520" "5563877" "6385213" "6751238" "5323390" "5351236" "5617453" "5760936" "5430716" "5459435" "5461345" "5663820" "5696761" "5757769" "5793745" "5805568" "5867484" "5878039" "5903367" "5974027" "5987026" "6034947" "6144633" "6163544" "6205121" "6496519" "6519061" "6545976" "6625115" "6785225").pn.	USPAT	OR	ON	2005/09/02 10:13
S5	4	("4468767"   "4935920"   "5018135"   "5033044").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 10:32
S6	8	("5287513").URPN.	USPAT	OR	ON	2005/09/02 10:38
S7	0	(retimer re-timer readjuster re-adjuster) and "input port" and "read pointer"	USPAT	OR	ON	2005/09/02 10:39
S8	20	(retimer re-timer readjuster re-adjuster) and "input port"	USPAT	OR	ON	2005/09/02 10:43
S9	10111	"frame position"	USPAT	OR	ON	2005/09/02 10:43
S10	108	tdm and S9	USPAT	OR	ON	2005/09/02 10:44
S11	7	("5544155"   "5684791"   "6091932"   "6343205"   "6353604"   "6377640"   "6470000").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/02 11:27
S12	2	("6625176").URPN.	USPAT	OR	ON	2005/09/02 11:29
S13	193	370/508.ccls:	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:23
S14	1	09/941894	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:26
S15	360	"composite switch"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:28

## EAST Search History

S16	8	("time division" time-division tdm) and S15	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:30
S17	23463	("time division" time-division tdm) and (timer retime\$4 readjust\$4 synchroniz\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:31
S18	2450	("time division" time-division tdm) and ((timer retime\$4 readjust\$4 synchroniz\$4) with delay)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:33
S19	811	("time division" time-division tdm) and ((timer retime\$4 readjust\$4 synchroniz\$4) with delay) and read and write	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:34
S20	13	"timing source" and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:36
S21	74	sonet and S19	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/02 14:36
S22	66	"frame position" and port and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 17:49
S23	52	S22 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 18:17
S24	17	S22 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 17:51
S25	58	S23 S24	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 18:16

## EAST Search History

S26	8443	port with offset	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 18:17
S27	83	S26 and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 18:17
S28	54	S27 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 16:22
S29	22	S27 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 18:17
S30	60	S28 S29	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 19:06
S38	14	"frame position register"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 16:22
S40	2932	"frame position" with (adjust\$4 tim\$4 retim\$4 offset align\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:15
S41	38	S40 and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:09
S42	28	S41 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 20:49
S43	8	S41 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/21 20:49

## EAST Search History

S45	31	S42 S43	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/11/01 19:09
S46	19	"frame position counter"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 16:22
S47	18	S46 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 09:49
S48	7	S46 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 16:22
S49	18	S47 S48	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/22 16:22
S50	36363	switch same ((position offset) with (stor\$4 memory register))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:18
S51	7	switch same ((position offset) with (stor\$4 memory register)) same "read pointer" same "write pointer"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:21
S52	6070	switch same ((position offset) with (stor\$4 memory register)) same first same second	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:22
S53	7	switch same ("frame position" with (stor\$4 memory register)) same first same second	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:22
S54	45	switch same (("frame position" "frame offset")with (stor\$4 memory register))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:23

## EAST Search History

S55	45	switch same (( "frame position" "frame offset") with (stor\$4 memory register))	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/29 16:23
S57	847	(tim\$4 with control\$4 with switch) and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:16
S58	611	S57 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:16
S59	212	S57 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:17
S60	686	S58 S59	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/30 11:17
S61	22	("frame position" and port).clm.	US-PGPUB	OR	ON	2006/09/14 23:11
S62	68	(hitless) same (delay align boundary lag lead) same (detect\$4 memor\$3 monitor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 09:49
S63	50	S62 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 09:49
S64	18	S62 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 09:49
S65	53	S63 S64	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:56

## EAST Search History

S66	68	(hitless) same (delay align boundary lag lead) same (detect\$4 memor\$3 monitor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:56
S67	50	S66 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:56
S68	18	S66 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:56
S69	53	S67 S68	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:56
S70	36	first with second and S69	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/03/31 17:56
S71	1	(US-20020118668-\$).did.	US-PGPUB	OR	ON	2006/04/02 19:06
S72	1	(US-6535479-\$).did.	USPAT	OR	ON	2006/04/02 19:07
S73	1	(US-5825821-\$).did.	USPAT	OR	ON	2006/04/02 19:07
S74	3	S71 S72 S73	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:07
S75	68	(hitless) same (delay align boundary lag lead) same (detect\$4 memor\$3 monitor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:07
S76	50	S75 and @ad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:07
S77	18	S75 and @rlad<"20010828"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:07

## EAST Search History

S78	53	S76 S77	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:07
S79	36	first with second and S78	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:07
S80	3	S79 and S74	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:17
S81	2	(stor\$4) and S74	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:10
S82	17	S78 not S79	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/04/02 19:18
S83	189	(hitless "hit less" hit-less) and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 23:09
S84	71	(hitless) same (delay align boundary lag lead) same (detect\$4 memor\$3 monitor\$4)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 23:10
S85	905	(tim\$4 with control\$4 with switch) and (sonet sdh)	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/09/14 23:10
S86	22	("frame position" and port).clm.	US-PGPUB	OR	ON	2006/09/14 23:11